BRUHAT BANGALORE MAHANAGARA PALIKE

Office of the Executive Engineer, Rajarajeshwari Nagara Division, RR Nagara Zone, B.B.M.P., Bangalore.

Tender Notification No. RRND/EE/Tend/07/2021-22, Date: 14.09.2021

Indent No: BBMP/2021-22/BD/WORK_INDENT48526

SCHEDULE -B

Name of Work: Additional Works to Jalahalli Govt School in ward no 16.

Sl.No	Qty	Description of work	Unit	In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	28.03	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2.-d o -i) Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.	Cum	661.00	Rupees Six Hundred Sixty One Only
2	100.05	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, ii) Dismantling Brick I Tile work. A. In lime mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar.	Cum	417.00	Rupees Four Hundred Seventeen Only
3	1158.76	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1	Cum	290.00	Rupees Two Hundred Ninety Only
4	250.30	Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. in hard soil.	Cum	520.00	Rupees Five Hundred Twenty Only
5	326.86	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (page no -10 item no-3.20)	Sqm	126.00	Rupees One Hundred Twenty Six Only

For K. DAMODAR & CO.

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6	13.87	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.	Cum	6620.00	Rupees Six Thousand Six Hundred Twenty Only
7	33.65	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. cement mortar 1:6	Cum	5658.00	Rupees Five Thousand Six Hundred Fifty Eight Only
8	33.78	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	6711.00	Rupees Six Thousand Seven Hundred Eleven Only
9	57.42	Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts,struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.	Cum	7210.00	Rupees Seven Thousand Two Hundred Ten Only
10	33.99	Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts,struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.	Cum	7270.00	Rupees Seven Thousand Two Hundred Seventy Only
11	223.21	Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts,struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.	Cum	7328.00	Rupees Seven Thousand Three Hundred Twenty Eight Only
12	58.24	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for foundations, footings,bases of columns for mass concrete including cost of all materials,labour complete as per specifications.	Sqm	306.00	Rupees Three Hundred Six Only

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13	39.04	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	541.00	Rupees Five Hundred Forty One Only
14	39.04	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	543.00	Rupees Five Hundred Forty Three Only
15	166.53	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	545.00	Rupees Five Hundred Forty Five Only
16	149.84	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	347.00	Rupees Three Hundred Forty Seven Only
17	79.97	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	348.00	Rupees Three Hundred Forty Eight Only
18	593.80	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	345.00	Rupees Three Hundred Forty Five Only
19	100.29	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.	Sqm	522.00	Rupees Five Hundred Twenty Two Only
20	100.29	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.	Sqm	524.00	Rupees Five Hundred Twenty Four Only
21	887.20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.	Sqm	520.00	Rupees Five Hundred Twenty Only
22	6.89	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 500	Tonne	99410.00	Rupees Ninety Nine Thousand Four Hundred Ten Only
23	4.08	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 500	Tonne	100360.00	Rupees One Lakh(s) Three Hundred Sixty Only

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24	26.79	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 500	Tonne	101315.00	Rupees One Lakh(s) One Thousand Three Hundred Fifteen Only
25	275.04	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. KBS 2.10.2	Cum	2445.00	Rupees Two Thousand Four Hundred Forty Five Only
26	222.76	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	1101.00	Rupees One Thousand One Hundred One Only
27	212.16	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	1136.00	Rupees One Thousand One Hundred Thirty Six Only
28	1298.25	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	1172.00	Rupees One Thousand One Hundred Seventy Two Only
29	46.62	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	1149.00	Rupees One Thousand One Hundred Forty Nine Only
30	55.12	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	1220.00	Rupees One Thousand Two Hundred Twenty Only
31	2.16	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum andfine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness,upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	559.00	Rupees Five Hundred Fifty Nine Only

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32	3.60	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum andfine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness,upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	565.00	Rupees Five Hundred Sixty Five Only
33	16.02	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum andfine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness,upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	570.00	Rupees Five Hundred Seventy Only
34	0.74	Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications. Honne wood frames	Cum	103979.00	Rupees One Lakh(s) Three Thousand Nine Hundred Seventy Nine Only
35	30.24	Providing and fixing in position fully panelled wood shutters for doors, with styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications. (excluding cost of fixtures) Honne wood	Sqm	5605.00	Rupees Five Thousand Six Hundred Five Only
36	212.11	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications. cement mortar 1:4 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	326.00	Rupees Three Hundred Twenty Six Only
37	189.29	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications. cement mortar 1:4 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	332.00	Rupees Three Hundred Thirty Two Only
38	1020.60	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications. cement mortar 1:4 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	336.00	Rupees Three Hundred Thirty Six Only
39	81.87	Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	292.00	Rupees Two Hundred Ninety Two Only

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40	81.87	Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	298.00	Rupees Two Hundred Ninety Eight Only
41	588.44	Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	301.00	Rupees Three Hundred One Only
42	276.60	Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. cement mortar 1:4	Sqm	341.00	Rupees Three Hundred Forty One Only
43	276.60	Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. cement mortar 1:4	Sqm	347.00	Rupees Three Hundred Forty Seven Only
44	1314.62	Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. cement mortar 1:4	Sqm	353.00	Rupees Three Hundred Fifty Three Only
45	9.36	KSRB 7.12 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenoned and riveted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation)	Sqm	4419.00	Rupees Four Thousand Four Hundred Nineteen Only

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46	9.36	KSRB 7.12 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenoned and riveted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation)	Sqm	4425.00	Rupees Four Thousand Four Hundred Twenty Five Only
47	45.27	KSRB 7.12 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenoned and riveted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation)	Sqm	4432.00	Rupees Four Thousand Four Hundred Thirty Two Only
48	75.40	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.	Sqm	1228.00	Rupees One Thousand Two Hundred Twenty Eight Only
49	70.86	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.	Sqm	1228.00	Rupees One Thousand Two Hundred Twenty Eight Only
50	85.62	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Colour glazed tiles 15x15 cms 6mm thick	Sqm	1534.00	Rupees One Thousand Five Hundred Thirty Four Only

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51	170.87	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Colour glazed tiles 15x15 cms 6mm thick	Sqm	1540.00	Rupees One Thousand Five Hundred Forty Only
52	2524.18	Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed ith neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications.-do- using silver grey granite I Multy Red I Ruby Red I Black I Hassan Green I River Pink Granite of width not less than 1200mm	Sqm	3360.00	Rupees Three Thousand Three Hundred Sixty Only
53	10.00	KSRB 9-27.1: Fixing Door frame in an existing opening including embedding frame in floor and walls after cutting masonry for hold fasts for embedding hold fast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coat tar to sides of frame, making good the damages to wall and floor as required and disposal of the debris with lead upto 50m. including cost of materials, labour charges, complete as per specifications. (P-61, I-9.80)	Nos	1621.00	Rupees One Thousand Six Hundred Twenty One Only
54	177.90	Providing and fixing 65mmx125mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM) U.V.Stabilized Isopthalic Gel coat and Isopthalic resin. The Thickness of the GRP Skin shall not be less than 2.0mm. The Door frame consists of four segments, which are provided with plug-in-socket arrangement in situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster of Paris with fibre reinforcement. Six numbers of 260x25x5mm size S Shaped M.S.Flat hold fast, Hold fast shall be provided with the frame. (PWD SR -2016-17, P-65/I-9.96)	Sqm	653.00	Rupees Six Hundred Fifty Three Only
55	50.08	P/F Factory made single leaf rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized isopthalic Gel coat and on layer of 45gsm E-Glass Chopped strand Mat (CSM) impregnated with orthopthalick polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Sal wood block of cross section not less than 28mm x 32mm and also necessary sal wood reinforcement for fixing the metal fittings such as tower bolts, aldrops, handles, etc., shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the sal wood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (PWD SR -2016-17, I-9.93)	Sqm	3561.00	Rupees Three Thousand Five Hundred Sixty One Only

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56	75.60	KSRB 15-17.4: Applying priming coat over new wood surface and /or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour , complete as per specifications (Page-115/I-15.58)	Sqm	59.00	Rupees Fifty Nine Only
57	75.60	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat on new wood surface and /or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (I-15.60.1)	Sqm	115.00	Rupees One Hundred Fifteen Only
58	1343.79	KSRB 7.9: Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or combination of M.S.Flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of all materials, fixtures, labour and HOM of machinery complete as per specifications (I-7.9)	Kgs	113.00	Rupees One Hundred Thirteen Only
59	2821.96	Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of materials labour complete as per specification	Sqm	113.00	Rupees One Hundred Thirteen Only
60	2174.18	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	38.00	Rupees Thirty Eight Only
61	2174.18	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	131.00	Rupees One Hundred Thirty One Only
62	1867.82	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer	Sqm	121.00	Rupees One Hundred Twenty One Only
63	44.00	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Sqm	3371.00	Rupees Three Thousand Three Hundred Seventy One Only

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64	5.04	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and ccessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM complete as per specifications. Shutter size 3.00mx2.8 m Specification No. KBS 7.10 / 7.12	Nos	3094.00	Rupees Three Thousand Ninety Four Only
65	68.37	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.Lno-20.5)KPWD S.R 2018-19	Sqm	2234.00	Rupees Two Thousand Two Hundred Thirty Four Only
66	297.24	KSRB 14.6: Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS	Sqm	1250.00	Rupees One Thousand Two Hundred Fifty Only
67	1100.89	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.Page No. 27/ Item No. 5.29.2/ PWD SR 2018-19	Nos	560.00	Rupees Five Hundred Sixty Only
68	198.16	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Page No. 180/ Item No. 24.1/ PWD SR 2018-19	Sqm	95.00	Rupees Ninety Five Only
69	876.76	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification I.No 10.5.1 P.No 69	Sqm	624.00	Rupees Six Hundred Twenty Four Only

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70	450.00	Providing & fixing Chorinated Poly Venyl(CPVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete.(External work and Burried). ---------25mm.dia..	m	212.00	Rupees Two Hundred Twelve Only
71	550.00	32mm.dia..	m	268.00	Rupees Two Hundred Sixty Eight Only
72	370.00	40mm.dia..	m	347.00	Rupees Three Hundred Forty Seven Only
73	10.00	Providing and fixing water meter with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour , HOM of equipments and testing complete as per specifications.	Set	1567.00	Rupees One Thousand Five Hundred Sixty Seven Only
74	12.00	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.	Each	609.00	Rupees Six Hundred Nine Only
75	10.00	Providing and fixing in position brass Gate valve with CI wheel of approved quality (screwed end) below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.----------a. 32mm.dia..	Nos	985.00	Rupees Nine Hundred Eighty Five Only
76	10.00	b. 40mm.dia..	Nos	1234.00	Rupees One Thousand Two Hundred Thirty Four Only
77	11.00	KSRB13-7.1-3 : Providing and fixing in position 40mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 KSRB13-7.1-3 - do - 40 mm dia nominal bore	Each	1124.00	Rupees One Thousand One Hundred Twenty Four Only
78	37.00	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Each	5882.00	Rupees Five Thousand Eight Hundred Eighty Two Only
79	18.00	Providing and fixing white vitreous china clay, angle back wash basin size 600X480mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Unit	3903.00	Rupees Three Thousand Nine Hundred Three Only
80	40.00	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3	Each	226.00	Rupees Two Hundred Twenty Six Only

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81	16.00	Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications.	Unit	877.00	Rupees Eight Hundred Seventy Seven Only
82	660.00	Providing and fixing chorinated poly vinyl Chloride (CPVC) 15mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls)	Mtr	245.00	Rupees Two Hundred Forty Five Only
83	500.00	Providing and fixing chorinated poly vinyl Chloride (CPVC) 20mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls)	m	279.00	Rupees Two Hundred Seventy Nine Only
84	510.00	Providing and fixing chorinated poly vinyl Chloride (CPVC) 25mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls)	Mtr	348.00	Rupees Three Hundred Forty Eight Only
85	12.00	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3	Each	533.00	Rupees Five Hundred Thirty Three Only
86	12.00	Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3	Each	167.00	Rupees One Hundred Sixty Seven Only
87	450.00	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply connection. 40mm dia	Mtr	271.00	Rupees Two Hundred Seventy One Only
88	350.00	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply connection. 75mm dia	Mtr	387.00	Rupees Three Hundred Eighty Seven Only
89	200.00	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply connection. 110mm dia	Mtr	534.00	Rupees Five Hundred Thirty Four Only

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90	13.00	Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm	Nos	10077.00	Rupees Ten Thousand Seventy Seven Only
91	830.00	Supplying heavy gauge PVC conduit pipe .....mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary--------19/20mm dia 2mm thick.	Mtr	44.00	Rupees Forty Four Only
92	480.00	25mm dia 2mm thick.	Mtr	58.00	Rupees Fifty Eight Only
93	300.00	32mm dia 2.5mm thick.	Mtr	91.00	Rupees Ninety One Only
94	345.00	Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe ....dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.---------19/20mm dia 2mm thick	Mtr	56.00	Rupees Fifty Six Only
95	185.00	25mm dia 2mm thick	Mtr	59.00	Rupees Fifty Nine Only
96	165.00	32mm dia 2.5mm thick	Mtr	89.00	Rupees Eighty Nine Only
97	175.00	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete.----------upto 50mm conduit in brick wall	Mtr	23.00	Rupees Twenty Three Only
98	115.00	upto 50mm conduit CC floor	Mtr	42.00	Rupees Forty Two Only
99	310.00	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required.25mm	Mtr	26.00	Rupees Twenty Six Only
100	6.00	Supplying And Fixing Metal Fan Box with Round Hook	Mtr	93.00	Rupees Ninety Three Only
101	63.00	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A----------Short point upto 3Mtr from tapping point to out let via switch	Point	176.00	Rupees One Hundred Seventy Six Only
102	32.00	Medium point above 3M. upto 6M from tapping point to out let via switch	Point	275.00	Rupees Two Hundred Seventy Five Only

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103	20.00	Long point above 6Mtr. upto 10M from tapping point to out let via switch	Point	412.00	Rupees Four Hundred Twelve Only
104	57.00	Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches	Point	522.00	Rupees Five Hundred Twenty Two Only
105	48.00	Three outlet in a row, above 6Mtr upto 10Mtr from tapping point to out let via switches	Point	742.00	Rupees Seven Hundred Forty Two Only
106	2450.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.----------1.5 sqmm	Mtr	23.00	Rupees Twenty Three Only
107	4350.00	2.5 sqmm	Mtr	34.00	Rupees Thirty Four Only
108	2060.00	4 sqmm	Mtr	47.00	Rupees Forty Seven Only
109	1130.00	6 sqmm	Mtr	74.00	Rupees Seventy Four Only
110	370.00	10 sqmm	Mtr	124.00	Rupees One Hundred Twenty Four Only
111	52.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall----------1-3Way	Nos	104.00	Rupees One Hundred Four Only
112	42.00	4-5Way	Nos	115.00	Rupees One Hundred Fifteen Only
113	51.00	6Way	Nos	137.00	Rupees One Hundred Thirty Seven Only
114	29.00	8Way	Nos	159.00	Rupees One Hundred Fifty Nine Only
115	16.00	10-12Way	Nos	181.00	Rupees One Hundred Eighty One Only
116	20.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.---------1 to 3 Module	Nos	121.00	Rupees One Hundred Twenty One Only
117	20.00	4 Module	Nos	137.00	Rupees One Hundred Thirty Seven Only
118	20.00	6 Module	Nos	192.00	Rupees One Hundred Ninety Two Only
119	6.00	8 Module	Nos	220.00	Rupees Two Hundred Twenty Only
120	4.00	12 Module	Nos	253.00	Rupees Two Hundred Fifty Three Only
121	40.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.---------6Amps one way.	Nos	77.00	Rupees Seventy Seven Only
122	30.00	6Amps two way	Nos	104.00	Rupees One Hundred Four Only

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123	10.00	6Amps 3way socket.	Nos	115.00	Rupees One Hundred Fifteen Only
124	16.00	Stepped Fan Regulator.	Nos	319.00	Rupees Three Hundred Nineteen Only
125	40.00	16Amps one way switch	Nos	126.00	Rupees One Hundred Twenty Six Only
126	24.00	6/16Amps universal socket.	Nos	178.00	Rupees One Hundred Seventy Eight Only
127	900.00	Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.	Nos	8.00	Rupees Eight Only
128	6.00	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws	Nos	242.00	Rupees Two Hundred Forty Two Only
129	50.00	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws.	Nos	327.00	Rupees Three Hundred Twenty Seven Only
130	10.00	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.	Nos	249.00	Rupees Two Hundred Forty Nine Only
131	2.00	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply. With all accessories.(SM Enclosure Sheet Metal Execution)	Nos	5825.00	Rupees Five Thousand Eight Hundred Twenty Five Only
132	2.00	Supplying and fixing regular MCCB distribution Panel confirming to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts, etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door withnecessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCCB/MCB's as outgoings confirming to IS8828.	Nos	7693.00	Rupees Seven Thousand Six Hundred Ninety Three Only
133	4.00	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.----------6-32 Amps SP. Group'A'	Nos	477.00	Rupees Four Hundred Seventy Seven Only
134	4.00	5-32 Amps DP. Group'A'	Nos	999.00	Rupees Nine Hundred Ninety Nine Only
135	2.00	6-32Amps TPN	Nos	1885.00	Rupees One Thousand Eight Hundred Eighty Five Only
136	2.00	50-63 Amps TPN.	Nos	2634.00	Rupees Two Thousand Six Hundred Thirty Four Only
137	2.00	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door----------12 way SPN	Nos	1978.00	Rupees One Thousand Nine Hundred Seventy Eight Only

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138	2.00	4 way TPN	Nos	2912.00	Rupees Two Thousand Nine Hundred Twelve Only
139	2.00	6 way TPN	Nos	3660.00	Rupees Three Thousand Six Hundred Sixty Only
140	4.00	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V up to 300mA sensitivity on existing wood/panel board----------25 Amps DP	Nos	4066.00	Rupees Four Thousand Sixty Six Only
141	2.00	32 Amps 4 pole	Nos	4709.00	Rupees Four Thousand Seven Hundred Nine Only
142	2.00	Supplying, fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/ manual reset facility suitable to mount on DIN rail/ flush mounting on panel board.	Nos	8462.00	Rupees Eight Thousand Four Hundred Sixty Two Only
143	4.00	Supplying, fixing and wiring 3 Phase Digital Ammeter /Voltmeter.	Nos	1302.00	Rupees One Thousand Three Hundred Two Only
144	2.00	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy.	Nos	8517.00	Rupees Eight Thousand Five Hundred Seventeen Only
145	4.00	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound.	Nos	514.00	Rupees Five Hundred Fourteen Only
146	4.00	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 Amps three phase 4 wire whole current class-1 Accuracy Energy Meter.	Nos	5215.00	Rupees Five Thousand Two Hundred Fifteen Only
147	6.00	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	Nos	473.00	Rupees Four Hundred Seventy Three Only
148	10.00	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machineries like induction motor.	Nos	438.00	Rupees Four Hundred Thirty Eight Only
149	12.00	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/ DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.	Mtr	2253.00	Rupees Two Thousand Two Hundred Fifty Three Only
150	12.00	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.---------40*40*6mm	Mtr	280.00	Rupees Two Hundred Eighty Only
151	10.00	50X100X50X6mm C channel 50*6mm	Mtr	692.00	Rupees Six Hundred Ninety Two Only

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152	80000.00	Fabricating supplying and mounting MS box made out 14SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.	sqcm	1.00	Rupee One Only
153	6.00	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos	3297.00	Rupees Three Thousand Two Hundred Ninety Seven Only
154	2.00	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.	Nos	4561.00	Rupees Four Thousand Five Hundred Sixty One Only
155	8.00	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip-- ----------GI Strip. 25x3mm	Mtr	82.00	Rupees Eighty Two Only
156	6.00	Copper strip. 25x3mm.	Mtr	555.00	Rupees Five Hundred Fifty Five Only
157	90.00	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc.	Mtr	64.00	Rupees Sixty Four Only
158	30.00	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975	Mtr	198.00	Rupees One Hundred Ninety Eight Only
159	20.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.--------25 sqmm to 75 sqmm	Mtr	17.00	Rupees Seventeen Only
160	20.00	On wall structure. 25 sqmm to 75 sqmm	Mtr	38.00	Rupees Thirty Eight Only
161	30.00	Digging of trench of 0.6m deep * 0.50mtr wide refiling the trench to the required ground level & consolidating etc., complete. (As per Civil SR KSRB I-2, P.7)	Mtr	112.00	Rupees One Hundred Twelve Only
162	30.00	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable.	Mtr	110.00	Rupees One Hundred Ten Only
163	20.00	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.	Mtr	622.00	Rupees Six Hundred Twenty Two Only

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164	40.00	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)	Nos	129.00	Rupees One Hundred Twenty Nine Only
165	40.00	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. ----------2.5sqmm	Nos	4.00	Rupees Four Only
166	30.00	4sqmm	Nos	8.00	Rupees Eight Only
167	24.00	6sqmm	Nos	8.00	Rupees Eight Only
168	24.00	10sqmm	Nos	9.00	Rupees Nine Only
169	30.00	25 sqmm Long Barrel	Nos	22.00	Rupees Twenty Two Only
170	30.00	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS:1709/1984 with latest amendment, Rated voltage 220 V/ 50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value ≥ 4.2 CMM / Watt, Three Blades of blade leaf 1.05mm thick Aluminium Alloy sheet, Class B motor insulation,Bearing Two ball bearings, Top 6202, Bottom 6201 , as per IS specification, Motor wdg. Temp rise Shall not exceed 75 degC over and ambient of 40 0C by resistance method at 245Volts, Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms), Leakage current Should not exceed 210Micro Amp, Power input, watt& current , Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty 48" Sweep 5 Star (1200mm)	Nos	3187.00	Rupees Three Thousand One Hundred Eighty Seven Only
171	51.00	Supplying & fixing retrofit type -PL- LED Lamp 8-9W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to beintegrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 8-9 Watts	Nos	385.00	Rupees Three Hundred Eighty Five Only
172	28.00	Supplying of .....feet - PVC Batten with integrated LED tube.....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED light fighting 1 x4'- 20/22 w---------LED light fighting 1 x4'- 20/22 w	Nos	420.00	Rupees Four Hundred Twenty Only
173	10.00	LED light fighting 2x 4' - 20 /22 w	Nos	687.00	Rupees Six Hundred Eighty Seven Only
174	30.00	Fixing all types and all capacities of fluorescent / false ceiling/ spot light / CFL / LED fittings indoor on the wall / ceiling /rafters / girders using 23/0.0076" twin twisted PVC insulatedwires, required Nos of round blocks and clamps.	Nos	130.00	Rupees One Hundred Thirty Only
175	2.00	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22	Nos	8104.00	Rupees Eight Thousand One Hundred Four Only

For K. DAMODAR & CO.

Signature of the contractor

Managing Partner

Executive Engineer
RRNagara Division
BBMP

176	10.00	Supplying 50 litres capacity vertical/horizontal type wall mounting Electrical water heater with 22 SWG copper/SS sheet metal inner Container tinned inside and anticorrosive paint outside and 20 SWG M.S. sheet metal outer cover filled with glass wool between inner and outer container for thermal insulation complete. The inlet and outlet pipes so arranged that water flow inside results in water to flow out from the inner container without turbulence. The Inner container shall have direct immersion type copper tube nickel plate .2KW capacity element with a neon indicator fitted with 20A capacity 25 to 85 degree Centigrade range thermostat. The water heater shall completely be wired with 40/0.0076 inch 3 core copper flexible wire of 1.5 meters length and the outer container provided with heavy gauge brackets for wall mounting. (Electric SR I no 8.1.5	Nos	17574.00	Rupees Seventeen Thousand Five Hundred Seventy Four Only

For K. DAMODAR & CO.

Managing Partner

Executive Engineer
RRNagara Division
BBMP

Signature of the contractor